

MR Form 3  
(Revised 1984)

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1, 1983  
to Month/Year December 31, 1983

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

OPERATOR: Interstate Brick Co. MINE NAME: Big Cottonwood

ADDRESS: 9780 South 5200 West  
West Jordan, Utah 84084

PERMIT NUMBER AND DATE OF PERMIT: ACT/035/003 25 August, 1977

REPRESENTATIVE: Ronald H. Baldwin

SECTION(S): 24 TOWNSHIP(S): 2 South RANGE(S): 1 East

MINERAL(S) MINED: Clay

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: N/A

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: N/A

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	<u>4</u>
Roads	<u>1</u>
Facilities	<u>- 0 -</u>
Waste Dumps	<u>2</u>
Other	<u>1</u>

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total</u>
1975	<u>?</u>
1976	<u>?</u>
1977	<u>4</u>
1978	<u>5</u>
1979	<u>7</u>
1980	<u>7</u>
1981	<u>8</u>
1982	<u>8</u>
1983	<u>8</u>

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

#### SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	<u>Area</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>etc.</u>
Acreage of Area	<u>No mining or hauling</u>			
Depth of Topsoil Removal (inches)	<u>done in 1983. Hence,</u>			
Depth of Topsoil Replacement (inches)*	<u>no soil was disturbed.</u>			
Estimate of Topsoil Volume Salvaged (yd <sup>3</sup> or ac ft)	<u></u>			
Volume Actually Salvaged (yd <sup>3</sup> or ac ft)	<u></u>			
Volume Required for Reclamation (yd <sup>3</sup> or ac ft)	<u></u>			
Surplus or Deficit Volume (yd <sup>3</sup> or ac ft)	<u></u>			
Storage Status (short- or long-term)	<u></u>			

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			
	I	2	3	etc.
Storage Location				
Area Where Soil Has Been Used (if not stored)				
Running Total (all stockpiles) (yd <sup>3</sup> or ac ft)				
Short-term				
Long-term				

\*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
No activity in 1983 at request of Salt Lake County.		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	None	- 0 -
(Milled)	None	- 0 -

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.

None

2. Roads.

Access road was realigned in the latter part of 1982 to allow access to the Holliday Gun Club. All realignment took place outside Interstates property and resulted in a shorter access road into the pit.

3. Diversion ditches, collector ditches, interceptor ditches, etc.

None

4. Culverts.

None

5. Sediment ponds, containment ponds.

None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).

See attached map for slope stability monitoring station placements.

7. Topsoil stockpiles.

No change, see map area #2.

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.

See #4.

2. Subsidence.

N/A

3. Accidental water discharge, dam failure, etc.  
N/A

4. Slumping, sliding or erosion.

Slope stability. Some tension cracks appeared in 1983 above and to the north of the pit. Slope monitored and mapped in 1983 by Seegmiller International. Analysis is continuing while mining operations have been suspended. Remaining stockpiled material will be hauled in 1984. See map for crack locations.

5. Revegetation problem areas.  
None

6. Existence and location of unsuitable (toxic) overburden.  
None

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area

Acreage

None

2. Topsoiled areas.

Area

Acreage

None

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
None	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
None	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	- 0 -
1976	- 0 -
1977	- 0 -
1978	- 3 -
1979	- 0 -
1980	- 0 -
1981	- 0 -
1982	- 0 -
1983	- 0 -
1984	- 0 -

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

None

2. Type of seed (species) used for seeding during the report period.

None

3. Date of seeding during the report period.

Spring

N/A

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

N/A

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

N/A

6. Type and rate of fertilizer applied.

N/A

7. Type and rate of mulch applied.

N/A

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

None

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

None

## 10. Soil analysis results.

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None

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(d) Description of results of previous revegetation efforts, including:  
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

Chrested Wheat Grass. Others may have germinated as cover  
is reported to be good, but we cannot identify species due to snow  
cover.

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2. Types (species) of seed that are not growing successfully.

Unknown

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3. Areas experiencing problems with weeds and weed types.

All areas see extensive cover by June Grass.

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4. Significant erosional problems.

None

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5. Areas of unsuitable overburden on the surface as related to  
revegetation failure.

None

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6. Procedures used or proposed to correct these problems.

N/A

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7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
None		

8. Results of soil analysis.

N/A

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	- 0 -	- 0 -
2. Backfilling	- 0 -	- 0 -
3. Contouring	- 0 -	- 0 -
4. Topsoil Replacement	- 0 -	- 0 -
5. Seeding	- 0 -	- 0 -
A. Seedbed Preparation	- 0 -	- 0 -
B. Mulch	- 0 -	- 0 -
C. Fertilizer	- 0 -	- 0 -
D. Seed	- 0 -	- 0 -
6. Other	- 0 -	- 0 -

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	No bond posted.	Not required.	

Increased disturbance, if any:

None

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Increased Bond Amount (attached reclamation estimate). - 0 -

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
<u>None</u>	<u>- 0 -</u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).